



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : Kaoru Okumura

Appln. No. : 10/706,124

Filed : November 12, 2003

For : EXPANDED KEYWORD SEARCH

Docket No.: M61.12-0548

Group Art Unit:

Examiner:

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I HEREBY CERTIFY THAT THIS PAPER IS BEING
SENT BY U.S. MAIL, FIRST CLASS, TO THE
COMMISSIONER FOR PATENTS, P.O. BOX 1450,
ALEXANDRIA, VA 22313-1450, THIS

10th DAY OF March, 2004

Kaoru L. Koho
PATENT ATTORNEY

Sir:

The patents, publications and other art listed on the enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97. Copies of the patents or publications cited are enclosed.

TIME OF FILING

The information disclosure statement is being filed:

1. X with the application or within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. In accordance with 37 C.F.R. § 1.97(b), no statement or fee is required.

2. _____ after the time period specified in paragraph 1 above, but before the mailing date of a final action under 37 C.F.R. § 1.113 or notice of allowance under 37 C.F.R. § 1.311. Therefore, in accordance with 37 C.F.R. § 1.97(c), submitted herewith is:

(check either A or B below)

A. _____ a statement as specified in 37 C.F.R. § 1.97(e).
B. _____ the fee set forth in 37 C.F.R. § 1.17(p) for

submission of an information disclosure statement under 37 C.F.R. § 1.97(c).

3. _____ after the mailing date of either a final action under 37 C.F.R. § 1.113 or a notice of allowance under 37 C.F.R. § 1.311, whichever occurs first, but before payment of the issue fee. Therefore, Applicant petitions for consideration and submits herewith:

- A. a statement as specified in 37 C.F.R. § 1.97(e);
- B. the petition fee set forth in 37 C.F.R. § 1.17(p).

STATEMENT

(only used if No. 2(A) or No. 3 above is checked)

The person(s) signing below certify

(check appropriate paragraph)

_____ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. 37 C.F.R. § 1.97(e)(1).

OR

_____ that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement. 37 C.F.R. § 1.97(e)(2).

METHOD OF PAYMENT

No fee is required.

_____ Attached is a check in the amount of \$ _____.

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123. A duplicate copy of this communication is enclosed.

Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

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CLH/rkp

FORM PTO-1449		Atty. Docket No.: M61.12-0548	Appl. No.: 10/706,124
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		First Named Inventor:	
		Kaoru Okumura	
		Filing Date	Group Art:
November 12, 2003			



U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
	AB						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AC	Hang Cui; Ji-Rong Wen; Jian-Yun Nie; Wei-Ying Ma; "Quer Expansion by Mining User Logs" Knowledge and Data Engineering, IEEE Transactions, Vol. 15, Issue: 4, July-Aug. 2003, pgs. 829-839
AD	Zukerman, I.; Raskutti, B.; Yingying Wen; "Query Expansion and Query Reduction in Document Retrieval" Tools with Artificial Intelligence, 2003. Proceedings. 15th IEEE International Conference 3-5 November 2003. Pgs. 552-559.
AE	Akrivas, G.; Wallace,M.; Andreou, G.; Stamou,G.; Kollias,S.; "Context-Sensitive Semantic Query Expansion", Artificial Intelligence Systems, 2002 (IC AIS 2002). 2002 IEEE International Conference, 5-10 Sept. 2002. Pgs. 109-114.
AF	Jie Wei; Bressan, S.; Beng Chin Ooi; "Mining Term Association Rules for Automatic Global Query Expansion: Methodology and Preliminary Results", Web Information Systems Engineering, 2000. Proceedings of the First International Conference, Vol. 1, 19-21 June 2000. Pgs. 366-373, vol. 1.
AG	Maeda, Y.; "The Optimal Algorithm for Query Refinement in Information Retrieval", Systems, Man, and Cybernetics, 1999. IEEE SMC '99 Conference Proceedings. IEEE International Conference Vol. 5, 12-15 Oct. 1999, pgs. 522-526 vol. 5
AH	Jae-Hyun Lim; Hyon-Woo Sueng; Jun Hwang; Young-Chan Kim; Heung-Nam; "Query Expansion for Intelligent Information Retrieval on Internet" Parallel and Distributed Systems, 1997. Proceedings., 1997 International Conference 10-13 Dec. 1997 pgs. 656-662.
AI	Walker, David. "Query Expansion Using Thesauri: Previous Approaches and Possible New Directions", IS-242: Information Retrieval Systems, U of Cal.-Los Angeles. June 12, 2001.
AJ	

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AK						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
	AL						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	Cooper, J.; Byrd, Roy.; "OBIWAN-A Visual Interface for Prompted Query Refinement" IBM Thomas J. Watson Research Center. IEEE. Submitted for Presentation at HICCS-31. 1998
AN	Jacquemin, Christian. "Syntagmatic and Paradigmatic Representations of Term Variation" University of Maryland, June 20-26, 1999. Pgs. 341-348
AO	Story, Roger E. Bell. "An Explanation of the Effectiveness of Latent Semantic Indexing By Means of a Bayesian Regression Model", Bell Communications Research (BellCore), 1996.
AP	
AQ	
AR	
AS	
AT	

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